Human Factors at the FAA Presented by: Michelle Yeh NextGen Human Factors Division (ANG-C1) March 12, 2013

Topics

Agency Overview

- Who is who at the FAA
- How/where does human factors fit in?

· Human Factors Research

- Cross cutting, multi-modal HF issues in transportation
- Fatigue
- Aging
- System Design
- Human System Integration
- Human Error





Federal Aviation Administration

Who is who at the FAA?

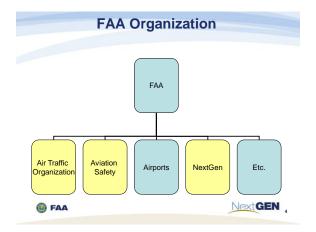
- Approximately 50,000 employees
- Approximately 45,000 employees in "Air Traffic"
- Approximately 5,000 employees on the "Aircraft" side

Where/how does human factors fit in?

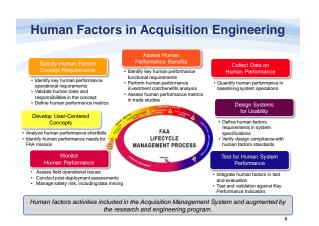
- Human Factors Division
- Individual lines of business within the FAA











Cross Cutting, Multi-Modal Research

Outcomes/Products:

· Regulatory & guidance material



- HF requirements for acquisitions
- · Training material



Common HF Themes:

- Integration
- Usability
- Interface
- Color
- Symbology
- Displays
- · Knobs/buttons
- Labels



Cross Cutting, Multi-Modal Research

- Fatigue
 - · Air Traffic Controllers
 - · Aircraft Mechanics
 - Pilots
 - · Flight Attendants



- · Air Traffic Controllers
- Pilots
- Flight Attendants









Cross Cutting, Multi-Modal Research



- System Design
- Human System Integration







*No! No! That's Self-Destruct! Set Distance is the one on the left."



